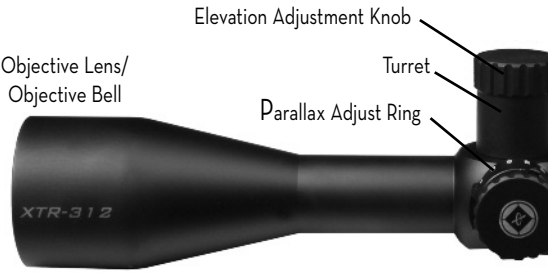
BURRIS®

Riflescope User Guide

SEE THE LIGHT™



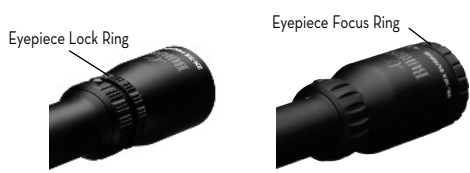
Congratulations on your purchase of a Burris riflescope. This manual outlines the basic operation and maintenance of your scope.

Eyepiece Focusing
This adjusts the focus so that the reticle appears sharp and black to your eyes. There are two types of eyepieces.

Fast Focus Eyepiece (found on most Burris riflescopes)
Located on the end of the rear eyepiece assembly, the Fast Focus ring is easy to use. Just follow this procedure.

1. Point the scope at the sky or a plain wall and take a quick glance through the scope. If the reticle appears sharp and black, no further adjustment is necessary.
2. If not, use quick glances through the scope while rotating the focus ring until the reticle pattern is sharp and clear.
   NOTE: Do not look through the eyepiece as you turn the focus ring. Your eyes will adjust to the out-of-focus condition.

Traditional Eyepiece (found on Burris hand-gun, Scout and Timberline™ riflescopes)
1. Take a quick glance through the scope. If the reticle appears sharp and black, no further adjustment is necessary.
2. To adjust, loosen the eyepiece lock by turning the eyepiece to the left. Next, turn the lock ring to the right to allow room for adjustment. No tools are needed.
3. Rotate the eyepiece until the reticle pattern is sharp and clear.
Warning: Do not turn the eyepiece more than 15 rotations as this can break the waterproof seal.
4. Tighten the lock ring against the eyepiece



Parallax Adjustment
Parallax is the apparent movement of the reticle in relation to the target when the eye is not directly in line behind the center of the scope. Images from different distances focus in front of or behind the scope's reticle. Parallax is more noticeable with higher magnification scopes and scopes with a larger objective lens.

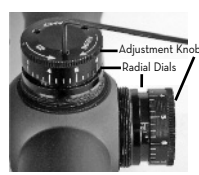
To use the parallax adjustment, rotate the ring on the objective bell or the knob on the left side of the adjustment turret until the numeral corresponding to the target distance lines up with the reference mark. When the scope is set parallax-free for the distance you are viewing, you should be able to move your eye side-to-side or up and down without seeing the reticle move appreciably in relation to the target.

Burris scopes without parallax adjustment are set parallax free at 100 yards.

Notice for Extreme Precision Shooters
Because scopes are constructed from metals which expand and contract with temperature changes, some parallax may exist even when you've set parallax for the appropriate yardage. The yardage references were factory set at room temperature, but as range temperatures, barrel heat, and scope exposure to the sun change, so can your parallax setting.

You may find that the perfect parallax setting for 100 yards may be more like 120 yards or 85 yards. Simply adjust the parallax ring while viewing through the scope to remove all parallax for any given distance.

Target Knobs
Low Profile Tactical



The Radial Dial, which indicates which revolution the knob is rotated to, has four scales of reference. The Radial Dial is not adjustable, so the scale most easily viewed may not be aligned in the center of the adjustment turret. This assures that at least one of the four scales is viewable from the shooting position.

Once you've sighted-in your rifle and want to re-set the adjustment knobs to zero, slightly loosen the three set screws on the top of the knob, rotate the knob to zero, and tighten the set screws. The adjustment knobs are reverse threaded so after you loosen the set screws and turn the knob to the right roughly three revolutions, the knob will come off. Just screw the knob back onto the assembly backwards to the zero location you desire and tighten the set screws.

Hunter/Competition Knobs

All non-target scopes feature this adjusting system which can be adjusted with a coin or fingers. This system utilizes a dial that is easily seen from above or from a shooting position. Like target knobs, the dial can be reset to zero once sighted-in by simply inserting a knife blade or small screwdriver in the dial slot and rotating.

The click values can vary between scopes. The click value for your scope is noted inside the dust cover on either the windage or elevation knob.

Posi-Lock Adjustment

If your riflescope has the Posi-Lock adjustment feature, please refer to the Posi-Lock instructions attached to the riflescope.

Lighted Reticle Scopes

Your riflescope features one of three types of Illumination Switches described below. In all cases, a new battery can be installed by unscrewing the battery cap on the electronics housing and installing the battery flat side (+) up. Turn the light off when daylight and contrast is abundant and in the evening when you conclude your hunt. It is advisable to remove the battery for long term storage (over a month).

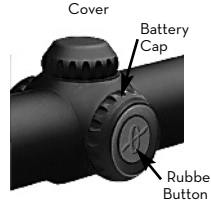
Three Position Switch

There are three illumination settings: "Off", "Med" (1/3 intensity), and "On" (full intensity). Battery #2025. Battery life 40 – 60 hours.

XTR™ Illumination Switch

Located on the left side of the adjustment turret, the 9-position illumination switch has 8 intensity settings ranging from "Off" to "High." Each position has a detent to prevent unintended changes during use. Battery #2025. Battery life 30 – 100 hours.

Digital Dimmer Switch



Located on the left side of the adjustment turret is a rubber button on the battery cap. Depressing this button once activates the illumination to the same intensity as it was last used. Each time the button is pressed, the illumination will either increase or decrease intensity. There are 10 intensity levels. To reverse the direction of intensity, hold the button down for 3 seconds, and then depress the button until the desired illumination is achieved.

To turn the illumination off, depress and hold the button down while looking through the scope until the light turns off (5 seconds). To conserve power, it automatically turns off two hours after its last use. Battery #2032. Battery life 120 – 200 hours.

Looking through a Lighted Reticle Scope (LRS) you may notice a few small black specks. This is normal and not a defect. The reticle is made of glass and is magnified by the eyepiece so even near-microscopic dust might be seen if it lands on the reticle glass. This will not affect the performance of your scope and you should find it unnoticeable when focusing on your target.

Mounting

Burris recommends using solid steel rings and bases. For trouble-free mounting and the ultimate in accuracy, use Burris bases, Burris Signature Rings™, and Burris Signature Pos-Align® Offset Inserts. These components ensure that your scope will remain safely and securely mounted, and will provide the maximum accuracy.

l. Read the manufacturer's directions regarding the installation of mounts and rings.
2. Clean the mounting area of the rifle and screw holes with a chemical to remove grease and oil. Also, clean the rings, mounts and scope tube. Do not allow the cleaning chemical to come in contact with the stock, scope lenses or Signature Ring inserts.
3. After installing the mounts and rings, make sure they are in proper alignment, then loosely install the scope in the rings. Shoulder the rifle and position the scope as far forward as possible that still gives a full field of view. Check to make sure the reticle is aligned vertically and horizontally.
4. Tighten the rings evenly and securely. Make sure not to over tighten, as the screws could strip or break

Sighting In

1. Bore sight your scope, OR place a target about two feet square at a distance of twenty five yards. Fire a shot at the bullseye, note the point-of-impact and make the necessary adjustments. Remember, a scope with a click adjustment value of 1/4" at 100 yards will require four clicks to move the same distance at 25 yards. Burris scopes have their click values indicated on a label under one of the turret caps.
2. If the shot at 25 yards is more than two inches right or left, the windage screws on the base (except Double Dovetail™ or Weaver®-style bases) can be used to bring the scope closer to zero. When only minor adjustments are required, use adjustments on the scope by turning the adjusting screws the necessary number of clicks. On Posi-Lock models, always loosen Posi-Lock before adjusting and tighten prior to shooting.
3. After the first group is fired, adjust the scope again. This adjustment should bring the approximate center of the group to coincide with the bullseye. Shoot additional groups as necessary to find the zero at 25 yards.
4. Place the target at a distance of 100 yards and recheck the zero. Make the necessary adjustments so your group maximizes your trajectory.

General Lens Cleaning and Care
Coarse dirt/debris must be removed from the lens surface. Failure to remove grit before final cleaning is sure to damage lens coatings.

The most convenient way to clean a lens surface is to use a Burris Lens Pen. Position the lens so particles will fall away and then use the Lens Pen or soft brush to gently whisk away the debris, while blowing on the lens to dislodge the particles. For heavy dirt, like dried mud, use a spray of clean water or lens cleaning fluid to remove the dirt

After the dirt is removed, use a lens cloth or soft cotton cloth to whisk away the remaining smudges and debris. Lightly 'huffing' on the lens surface will moisten the surface and aid this process. Remember to never rub a lens– gently whisk it with slight pressure. Avoid having only one thickness of cloth between your fingertip and the surface. Bunch up the cloth loosely so it absorbs the pressure of the cleaning. Rotate the cloth around the lens surface, working from center to edge of lens.

Scope Use, Service, & Care
Your Burris scope will provide a lifetime of service given reasonable care and treatment. All moving assemblies are permanently lubricated. Only occasional cleaning of the outside of the scope and the exterior lenses is required. **Do not loosen or remove the screw stud located on the power ring**. Doing so will allow nitrogen to escape and compromise the scope's fogproofing. The adjustment system is waterproof even without the turret caps in place, but these caps keep dust and dirt out of the mechanical system

Never disassemble your scope.
Disassembly by anyone other than our factory will void the warranty. If you have any problems with any Burris product, let us fix it.

Things you should check before returning the scope
A significant number of scopes are returned to Burris that are found to function perfectly. To avoid unnecessary delay and expense, we encourage you to check for the following conditions:

Insufficient windage adjustment
1. Base mounting holes drilled out of alignment with center of bore
2. Barrel threaded into receiver at an angle
3. Scope tube bent at bell or eyepiece

Solution - Use Burris universal bases with windage adjustment or Signature Rings and Pos-Align Offset Inserts to correct any alignment problem. Bent tube must be returned to Burris for non-warranty repair.

Insufficient elevation adjustment
1. Receiver diameter out of specification
2. Barrel threaded in at an angle
3. Scope tube bent

Solution - Receiver or barrel problems will require shimming or the use of Burris Signature Rings and Pos-Align Offset Inserts. .001" will move point of impact approximately one inch at 100 yards. Bent tube must be returned to the factory for non-warranty repair.

Grouping or accuracy
1. Barrel or chamber throat erosion
2. Stock warpage
3. Stock bedding problem
4. Loose mount
5. Heavy trigger pull

Solution - Consult with competent gunsmith

Focus or image not clear
1. Object too close
2. Eyepiece out of focus
3. Parallax adjustment not set correctly

Solution - Read instructions on how to focus reticle and parallax adjustments.

When returning the scope, be sure to include:
1. **Remove rings, covers, and all other accessories from the product.**
2. Record your scope's serial number for use when calling to check on your in-service scope.
3. Include your complete name, address, phone number and email address.
4. Briefly describe the nature of the problem.
5. Ship the scope prepaid and insured by mail, UPS, or other parcel service. Burris can't be responsible for your scope until we physically receive it. Burris pays for shipping back to you.

Owners in North America should send the scope to the following address:
Burris Company, Inc.
331 E. 8th Street, Greeley, Colorado 80631
International customers can visit www.burrisoptics.com to find the location of the nearest repair center. Click on your country's web site and visit the "Services" section for warranty and repair information.

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